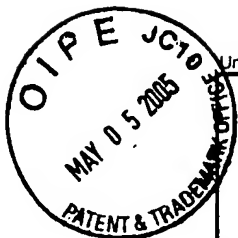


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PTO/SB/21 (09-04)

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TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	10/701,990
		Filing Date	November 4, 2003
		First Named Inventor	Marc K. HELLERSTEIN
		Art Unit	1645
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	12	Attorney Docket Number	416272005200

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement (Supplemental, 3 pages) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. PTO/SB/08a/b (8 pages) 2. 104 Cited References 3. Return Receipt Postcard
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	MORRISON & FOERSTER LLP (Customer No. 20872)		
Signature	<i>Michael R. Ward</i>		
Printed name	Michael R. Ward		
Date	May 5, 2005	Reg. No.	38,651

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Patent
Docket No. 416272005200
B03-021

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Marc K. HELLERSTEIN

Serial No.: 10/701,990

Filing Date: November 4, 2003

For: DEUTERATED GLUCOSE OR FAT
TOLERANCE TESTS FOR HIGH-
THROUGHPUT MEASUREMENT OF
THE METABOLISM OF SUGARS OR
FATTY ACIDS IN THE BODY

Examiner: Not Yet Assigned

Group Art Unit: 1645

**SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of foreign documents and non-patent literature are submitted herewith. The Examiner is requested to make these documents of record.

This Supplemental Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.
- ☒ **Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required. However, if applicable, a certification under 37 C.F.R. § 1.97 (e)(1) has been provided.**
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of __ is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above; accordingly; no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a check in the amount of __ is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided above and a Fee Transmittal form (PTO/SB/17 is attached to this submission in duplicate.)

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Supplemental Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing docket no. 416272005200.

Dated: May 4, 2005

Respectfully submitted,

By Michael R. Ward

Michael R. Ward

Registration No.: 38,651

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 8

Complete if Known

Application Number	10/701,990
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Art Unit	1645
Examiner Name	Not Yet Assigned
Attorney Docket Number	416272005200

U.S. PATENT DOCUMENTS

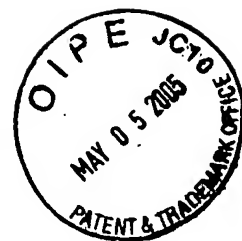
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1.	US-4,332,784	06-01-1982	Smith et al.	
	2.	US-5,439,803	08-08-1995	Ross et al.	
	3.	US-5,961,470	10-05-1999	Wagner et al.	
	4.	US-6,653,076	11-25-2003	Franza, Jr. et al.	
	5.	US-2003/0148533	08-07-2003	Malloy et al.	
	6.	US-2003/0180710	09-25-2003	Lee et al.	
	7.	US-2003/0180800	09-25-2003	Lee et al.	
	8.	US-2003/0228259-A1	12-11-2003	Hellerstein	
	9.	US-2004/0081994	04-29-2004	Hellerstein	
	10.	US-2004/0091943	05-13-2004	Schneider	
	11.	US-2004/0152994	08-05-2004	Meier-Augenstein	
	12.	US-2004/0253647	12-16-2004	Mathews et al.	
	13.	US-2005/0019251-A1	01-27-2005	Hellerstein	
	14.	US-2005/0053992-A1	03-10-2005	Hellerstein	
	15.	US-10/519,121	FD 09-15-2003	Hellerstein	
	16.	US-10/523,250	FD 01-26-2005	Hellerstein	
	17.	US-10/526,860	FD 09-04-2003	Hellerstein	
	18.	US-10/872,280	FD 06-17-2004	Hellerstein	
	19.	US-10/963,967	FD 10-12-2004	Hellerstein	
	20.	US-10/997,323	FD 11-23-2004	Hellerstein	
	21.	US-11/064,197	FD 02-22-2005	Hellerstein	
	22.	US-11/078,083	FD 03-11-2005	Hellerstein	
	23.	US-11/094,387	FD 03-29-2005	Hellerstein	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	24.	WO-90/11371	10-04-1990	Anticancer, Inc.		
	25.	WO-93/25705	12-23-1993	Barranco		
	26.	WO-03/061479-A1	07/31/2003	Hellerstein		
	27.	WO-03/068919-A2	08/21/2003	Hellerstein		
	28.	WO-03/087314-A2	10/23/2003	Hellerstein		
	29.	WO-04/003493-A2	01/08/2004	Hellerstein		
	30.	WO-04/011426-A2	02/05/2004	Hellerstein		
	31.	WO-04/021863-A2	03/18/2004	Hellerstein		
	32.	WO-04/024941-A2	03/25/2004	Hellerstein		

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	33.	WO-04/025270-A2	03/25/2004	Hellerstein		
	34.	WO-04/042360-A2	05/21/2004	Hellerstein		
	35.	WO-05/009597-A2	02/03/2005	Hellerstein		
	36.	WO-05/015155-A2	02/17/2005	Hellerstein		
	37.	WO-05/033652-A2	04/14/2005	Hellerstein		

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NON PATENT LITERATURE DOCUMENTS						
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	38.	International Search Report mailed on June 29, 2004, for PCT application no. PCT/US03/04183 filed on February 12, 2003, 4 pages				
	39.	International Search Report mailed July 8, 2004, for PCT patent application no. PCT/US03/27623 filed on September 4, 2003, 4 pages				
	40.	International Search Report mailed August 18, 2004, for PCT application PCT/US03/23340, filed July 25, 2003, 2004: 4 pages				
	41.	International Search Report mailed on August 18, 2004, for PCT application PCT/US03/29526, filed September 16, 2003, 3 pages				
	42.	International Search Report mailed on August 20, 2004, for PCT application no. PCT/US03/10554 filed on April 4, 2003, 4 pages				
	43.	International Search Report mailed on January 19, 2005, for PCT application no. PCT/US03/29361 filed on September 15, 2003, 4 pages				
	44.	International Search Report mailed on March 25, 2005, for PCT application no. PCT/US04/39722 filed on November 24, 2004, 3 pages				
	45.	International Search Report mailed on April 4, 2005, for PCT application no. PCT//US04/21063 filed on June 29, 2004, 2 pages				
	46.	"New Diagnostic Technique Could Help Treat AIDS," Agence France-Presse, Dow Jones News/Retrieval, Feb. 17, 1998, pp. 1-2.				
	47.	ADAMI, H.O. et al. (1995) "The Aetiology and Pathogenesis of Human Breast Cancer" <i>Mutation Research</i> 333: 29-35				
	48.	ANDERSON, R.W. et al. (1998) "Direct HIV Cytopathicity Cannot Account for CD4 Decline in AIDS in the Presence of Homeostasis: A Worst-Case Dynamic Analysis" <i>J. AIDS and Human Retrovirology</i> 17:245-252				
	49.	ASHER, E. et al. (1995) "Evaluation of Cell Death in EBV-Transformed				
Examiner Signature					Date Considered	

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
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Sheet	3	of	8	Attorney Docket Number	416272005200

		Lymphocytes Using Agarose Gel Electrophoresis, Light Microscopy and Electron Microscopy" <i>Leukemia and Lymphoma</i> 19:107-119	
	50.	BACH, Simon P. et al. (2000) "Stem Cells: The Intestinal Stem as a Paradigm" <i>Carcinogenesis</i> 21(3): 469-476	
	51.	BICKENBACH, J.R. (1981) "Identification and Behavior of Label-Retaining Cells in Oral Mucosa and Skin" <i>J Dent Res</i> 1611-1620	
	52.	BIER, D.M. (1997) "Stable Isotopes in Biosciences, Their Measurement and Models for Amino Acid Metabolism" <i>Eur J Pediatr</i> 156 [Supp. 1]: S2-S8	
	53.	BLACK, G.E. et al. (January 2001) "Labeling DNA with Stable Isotopes: Economical and Practical Considerations," <i>BioTechniques</i> 30:134-140	
	54.	BLAU, K. and HALKET, J. eds. (1993) <i>Handbook of Derivatives for Chromatography</i> , 2nd Edition, John Wiley & Sons Ltd., England	
	55.	BRAVO, Elena et al. (1994) "Decreased Hepatic Uptake and Processing of High Density Lipoprotein Unesterified Cholesterol and Cholesteryl Ester with Age in the Rat" <i>J. Biochem.</i> 116: 1088-1095	
	56.	BROWN, Alan S. et al (1998) "Treating Patients with Documented Atherosclerosis to National Cholesterol Education Program-Recommended Low-Density-Lipoprotein Cholesterol Goals with Atorvastatin, Fluvastatin, Lovastatin and Simvastatin" <i>J. Am. Coll. Cardiol.</i> 32: 665-672	
	57.	BUCY, R.P. et al. (1998) "Analysis of Lymph Node Biopsies in HIV Infected Patients Before and After HAART" <i>Abstract, 5th Conference on Retroviruses and Opportunistic Infections, Session 66</i> 519:177	
	58.	CALDWELL, K.A. et al. (1993) "Quantification of Peptide Isotopomer Abundances and Determination of Protein (sic) Turnover Rates by Using Mass Isotopomer Distribution Analysis" <i>Abstract, 41st Annual Amer. Society Mass Spectrometry on Mass Spectrometry</i> , p. 331a.	
	59.	CASSELLA, C.R. et al. (1997) "Mechanisms of Lymphocyte Killing by HIV" <i>Current Opinion in Hematology</i> 4:24-31	
	60.	CESAR, D. et al. (1998) "Direct Measurement of CD4+ and CD8+ T Cell Proliferation Rates in Vivo in AIDS Patients Using a Stable Isotope-Mass Spectrometric Technique" <i>Abstract, 5th Conference on Retroviruses and Opportunistic Infections, Chicago Illinois</i>	
	61.	COHEN, A. et al. (1983) "Purine and Pyrimidine Metabolism in Human T Lymphocytes," <i>J. Biol. Chem.</i> 258(20):12334-12340	
	62.	COHEN, J. (1998) "Failure Isn't What It Used to Be... But Neither is Success" <i>Science</i> 279:1133-1134	

Examiner Signature		Date Considered	
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
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				Examiner Name	Not Yet Assigned
Sheet	4	of	8	Attorney Docket Number	416272005200

63.	CONNERS, M. et al. (1997) "HIV Infection Induces Changes in CD4+ T-Cell Phenotype and Depletions Within the CD4+ T-Cell Repertoire that are not Immediately Restored by Antiviral or Immune-Based Therapies" <i>Nature Medicine</i> 3(5):533-540
64.	CRAIN, P.F.(1990) "Preparation and Enzymatic Hydrolysis of DNA and RNA for Mass Spectrometry," <i>Meth. Enz.</i> 193:782-790
65.	DEEKS, S. et al. (1998) "Viral Load and CD4+ T Cell Changes in Patients Failing Potent Protease Inhibitor Therapy" <i>Abstract, 5th Conference on Retroviruses and Opportunistic Infections, Session 53</i> , 419:158
66.	DIMITROV, D.S. et al. (1995) Scientific Correspondence, <i>Nature</i> 375:194-195
67.	GOROCHOV, G. et al. (1998) "Perturbation of CD4+ and CD8+ T-Cell Repertoires During Progression to AIDS and Regulation of the CD4+ Repertoire During Antiviral Therapy," <i>Nature Medicine</i> 4(2):215-221
68.	GOZ, Barry (1978) "The Effects of Incorporation of 5-Halogenated Deoxyuridines into DNA of Eukaryotic Cells" <i>Macological Reviews</i> 29, (4): 249-272
69.	GRATZNER, H.G. (1982) "Monoclonal Antibody to 5-Broma-and 5-Iododeoxyuridine: A New Reagent for Detection of DNA Replication" <i>Science</i> 218:474-475
70.	GYGI, Steven et al. (2000) "Using Mass Spectrometry for Quantitative Proteomics" <i>Proteomics: A Trends Guide</i> : 31-36
71.	HANSEN, Andrew P. et al. (1992) "A Practical Method for Uniform Isotopic Labeling of Recombinant Proteins in Mammalian Cells" <i>Biochemistry</i> 31 (51): 12713-12718.
72.	HELLERSTEIN, M.K. et al. (1997) "T Cell Turnover in HIV-1 Disease," <i>Immunity</i> 7:583-589 (Nov. 1997).
73.	HO, D.D. et al. (1995) "Rapid Turnover of Plasma Virions and CD4 Lymphocytes in HIV-1 Infection," <i>Nature</i> 373:123-126
74.	HSIEH, Elaine A. et al. (2004) "Dynamics of Keratinocytes in Vivo Using 2H2O Labeling: A Sensitive Marker of Epidermal Proliferation State," <i>J Invest Dermatol</i> , 123: 530-536
75.	JAMES, J.S. (1998) "Clinical Implications of Virological Failure: Interview with Steven Deeks, M.D., San Francisco General Hospital," <i>AIDS Treatment News</i> , 289:6-7
76.	LIPKIN, M. (1987) "Proliferation and Differentiation of Normal and Diseased Gastrointestinal Cells" In <i>Physiology of the Gastrointestinal Tract</i> , L.R. Johnson ed., Raven Press, New York, pp. 255-284

Examiner Signature		Date Considered	
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sf- 1911348

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				Examiner Name	Not Yet Assigned
Sheet	5	of	8	Attorney Docket Number	416272005200

77.	LIPKIN, Martin et al. (1963) "Cell Proliferation Kinetics in the Gastrointestinal Tract of Man. I. Cell Renewal in Colon and Rectum" <i>Journal of Clinical Investigations</i> 42(6):767-776
78.	MAENTAUSTA, O. et al. (1979) "Radioimmunoassay of Conjugated Cholic Acid, Chenodeoxycholic Acid, and Deoxycholic Acid from Human Serum, with Use of 125I-Labeled Ligands" <i>Clin. Chem.</i> 25(2): 264-268
79.	MARGOLICK, J.B. et al. (1995) "Failure of T-cell Homeostasis Preceding AIDS in HIV-1 Infection," <i>Nature Medicine</i> , 1(7):674-680
80.	MCCLOSKEY, J.A. (1990) "Electron Ionization Mass Spectra of Trimethylsilyl Derivatives of Nucleosides," <i>Meth. Enz.</i> 193:825-841
81.	MCCUNE, J.M. (1997) "Thymic Function in HIV-1 Disease," <i>Seminars in Immunology</i> 9:397-404
82.	MCLEAN, A.R. et al. (1995) "In Vivo Estimates of Division and Death Rates of Human T Lymphocytes," <i>Proc. Natl. Acad. Sci USA</i> 92:3707-3711
83.	MEIER, P.R. et al. (March 1981) "Rates of Protein Synthesis and Turnover in Fetal Life," <i>Am J Physiol.</i> , 240(3):E320-E324
84.	MELLORS, J.W. et al. (1995) "Quantitation of HIV-1 RNA in Plasma Predicts Outcome after Seroconversion," <i>Ann. Intern. Med.</i> 122:573-579
85.	MELLORS, J.W. et al. (1996) "Prognosis in HIV-1 Infection Predicted by the Quantity of Virus in Plasma," <i>Science</i> , 272:1167-70
86.	MESSMER, Bradley T. et al. (Feb. 10, 2005) "In Vivo Measurements Document the Dynamic Cellular Kinetics of Chronic Lymphocytic Leukemia B Cells," <i>J. Clin. Invest.</i> doi:10.1172/JCI200523409
87.	MICHIE, C.A. et al. (1992) "Lifespan of Human Lymphocyte Subsets Defined by CD45 Isoforms," <i>Nature</i> 360:264-265
88.	MORRIS, Rebecca J. et al. (1997) "Evidence that a Slowly Cycling Subpopulation of Adult Murine Epidermal Cells Retains Carcinogen" <i>Cancer Research</i> 46: 3061-3066
89.	MORRIS, Rebecca J. et al. (1997) "Evidence that Cutaneous Carcinogen-initiated Epithelial Cells from Mice are Quiescent Rather than Actively Cycling" <i>Cancer Research</i> 57:3436-3443
90.	MOSIER, D.E. (1995) "CD4.sup.+ Cell Turnover," <i>Nature</i> 375:193-194
91.	MURALI-KRISHNA, K. et al. (1998) "Counting Antigen-Specific CD8 T Cells: A Reevaluation of Bystander Activation during Viral Infection," <i>Immunity</i> 8:177-187
92.	NEESE, R. A. et al. (Nov. 2002) "Measurement in vivo of Proliferation

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Sheet	6	of	8	Attorney Docket Number	416272005200

		Rates of Slow Turnover Cells by $2H_2O$ Labeling of the Deoxyribose Moiety of DNA," <i>PNAS</i> , 99(24): 15345-15350	
93.		ONG, Shao-En et al. (2002) "Stable Isotope Labeling by Amino Acids in Cell Culture, SILAC, as a Simple and Accurate Approach to Expression Proteomics" <i>Molecular and Cellular Proteomics</i> 1: 376-386	
94.		OYAIKU, N. et al. (1995) "Role of Apoptosis in HIV Disease Pathogenesis," <i>J. of Clinical Immunology</i> 15(5):217-231	
95.		PALMER, L.D. et al. (1997) "Telomere Length, Telomerase Activity, and Replicative Potential in HIV Infection: Analysis of CD4+ and CD8+ T Cells from HIV-discordant Monozygotic Twins," <i>J. Experimental Medicine</i> 185(7):1381-1386	
96.		PAPAGEORGOPOULOS, C. et al. (1993) "Toward the Measurement of Protein Synthesis by Mass Isotopomer Distribution Analysis (MIDA): Resolution of Isotopomers in a [d.sub.3]-Leucine Enriched Synthetic Oligopeptide Using Electrospray/Quadrupole Mass Spectrometry (ESI/MS)," <i>Abstract, Federation of American Societies for Experimental Biology</i> 1022:A177	
97.		PARK, S. S., et al. (1997) "Measurement of Small Intestinal Cell Turnover with [6,6, $2H_2$] Glucose," <i>Berkeley Scientific, Abstract</i> 1(2):41-43	
98.		PAŠA-TOLIC, Ljiljana et al. (1999) "High Throughput Proteome-Wide Precision Measurements of Protein expression Using Mass Spectrometry" <i>J. Am. Chem. Soc.</i> 121: 7949-7950	
99.		PATTON, G.M. et al. (July 1979) "Measurements of Fatty Acid Synthesis by Incorporation of Deuterium from Deuterated Water," <i>Biochemistry</i> , 18(14):3186-3188	
100.		PERELSON, A.S. et al. (1996) "HIV-1 Dynamics in Vivo: Virion Clearance Rate, Infected Cell Life-Span, and Viral Generation Time," <i>Science</i> 271:1582-1586	
101.		PERELSON, A.S. et al. (1997) "Decay Characteristics of HIV-1-Infected Compartments During Combination Therapy," <i>Nature</i> 387:188-191	
102.		POZHARISSKI, K.M. et al. (1980) "Study of Kinetics of Epithelial Cell Populations in Normal Tissues of the Rat's Intestines and in Carcinogenesis." <i>Exp. Path., Bd.</i> 18:387-406	
103.		REICHARD, P. (1978) "From Deoxynucleotides to DNA Synthesis," <i>Federation Proceedings</i> 37(1):9-14	
104.		REICHARD, P. (1988) "Interactions Between Deoxyribonucleotide and DNA Synthesis," <i>Ann. Rev. Biochem.</i> 57:349-374	

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				Filing Date	November 4, 2003
				First Named Inventor	Marc K. HELLERSTEIN
				Art Unit	1645
				Examiner Name	Not Yet Assigned
Sheet	7	of	8	Attorney Docket Number	416272005200

105.	ROCHA, B. et al. (1990) "Accumulation of Bromodeoxyuridine-Labelled Cells in Central and Peripheral Lymphoid Organs: Minimal Estimates of Production and Turnover Rates of Mature Lymphocytes" <i>Eur. J. Immunol.</i> 20:1697-1708
106.	RODA, Aldo et al. (1980) "Results with Six 'Kit' Radioimmunoassays for Primary Bile Acids in Human Serum Intercompared" <i>Clin. Chem.</i> 26(12): 1677-1682
107.	ROEDERER, M. (July 1995) "T-Cell Dynamics of Immunodeficiency," <i>Nature Medicine</i> 1(7):621-622
108.	SAWADA, S. et al. (1995) "Comparison of Autoradiography, Liquid Scintillation Counting and Immunoenzymatic Staining of 5-bromo-2'-deoxyuridine for Measurement of Unscheduled DNA Synthesis and Replicative DNA Synthesis in Rat Liver," <i>Mutation Research</i> 344:109-116
109.	SCALISE, K. (Feb. 11-17, 1998) "Tracking T-Cells in AIDS Patients: A Safe Reliable Method of Measuring Human Cell Generation Rates," <i>Berkeleyan</i> , p. 3.
110.	SHEVCHENKO, Andrej et al. (1997) "Rapid 'de Novo' Peptide Sequencing by a Combination of Nanoelectrospray, Isotopic Labeling and a Quadrupole/Time-of-flight Mass Spectrometer" <i>Rapid Commun. Mass Spectrom.</i> 11: 1015-1024
111.	SHIGENAGA, M.K. et al. (1994) "Assays of Oxidative DNA Damage Biomarkers 8-Oxo-2'-deoxyguanosine and 8-Oxoguanine in Nuclear DNA and Biological Fluids by High-Performance Liquid Chromatography with Electrochemical Detection," <i>Methods in Enzymology</i> 234:16-33
112.	SMITH, et al. (1983) "The Phosphogluconate Oxidative Pathway," in <i>Principles of Biochemistry</i> , 7th edition, McGraw-Hill Book Company, pp. 417-423.
113.	SPRENT, J. et al. (1995) "CD4+ Cell Turnover," <i>Nature</i> 375:194
114.	SUNTER, J.P. et al. (1978) "Cell Population Kinetics in the Epithelium of the Colon of the Male Rat." <i>Virchows Archiv. B Cell Path.</i> 26: 275-287
115.	TINT, G.S. et al. (1974) "Transformation of 5 α -cholest-7-en-3 β -ol to Cholesterol and Cholestanol in Cerebrotendinous Xanthomatosis" <i>Journal of Lipid Research</i> 15: 256-262
116.	TRABER, P.G. et al. (1991) "Isolation of Intestinal Epithelial Cells for the Study of Differential Gene Expression Along the Crypt-Villus Axis," <i>Am. J. Physiol.</i> 260:G895-G903

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Sheet	8	of	8	Attorney Docket Number	416272005200

117.	VEENSTRA, Timothy D. et al. (2000) "Proteome Analysis Using Selective Incorporation of Isotopically Labeled Amino Acids" <i>J. Am. Soc. Mass. Spectrom.</i> 11: 78-82	
118.	WADKE, M. et al. (July 1973) "Fatty Acid Synthesis by Liver Perfused with Deuterated and Tritiated Water," <i>Biochemistry.</i> , 12(14):2619-2624	
119.	WAIN-HOBSON, S. (1995) "Virological Mayhem," <i>Nature</i> 373:102	
120.	WALDEMAN, F.M. et al. (1991) "A Comparison Between Bromodeoxyuridine and 3 H Thymidine Labeling in Human Breast Tumors," <i>Modern Path.</i> 4(6):718-722	
121.	WEI, X et al. (1995) "Viral Dynamics in Human Immunodeficiency Virus Type 1 Infection," <i>Nature</i> 373:117-122	
122.	WOLFE, R. (1990) "Isotopic Measurement of Glucose and Lactate Kinetics," <i>Ann. Med.</i> 22:163-170	
123.	WOLTERS et al. (1998) "Rapid CD4+ T-Cell Turnover in HIV-1 Infection: a Paradigm Revisited," <i>Immunol. Today</i> 19(1):44-48	
124.	WOLTERS, K.C. et al. (1996) "T Cell Telomere Length in HIV-1 Infection: No Evidence for Increased CD4+ T Cell Turnover," <i>Science</i> 274:1543-1547	
125.	WOOD, H.G. et al. (1963) "Estimation of Pathways of Carbohydrate Metabolism," <i>Biochemische Zeitschrift</i> 338:809-847	
126.	ZHANG, Z-Q. et al. (Feb. 1998) "Kinetics of CD4+ T Cell Repopulation of Lymphoid Tissues after Treatment of HIV-1 Infection," <i>Proc. Natl. Acad. Sci. USA</i> 95:1154-1159	
127.	ZILVERSMIT, D.B. et al. (1943) "On the Calculation of `Turnover Time` and `Turnover Rate` from Experiments Involving the Use of Labeling Agents," <i>J. of General Physiology</i> 26(3):325-331	

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

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